IN THE CLAIMS

Please amend the claims as indicated below.

1. (Currently Amended) A multifunction printer for printing time-based media, the
multifunction printer comprising:

a communication interface for receiving time-based media data from a media
source;

a processor <u>within the multifunction printer</u> for performing a <u>user-selected</u>
multimedia function on the time-based media data <u>and for generating a</u>
<u>printable representation comprising results of the user-selected multimedia</u>
<u>function applied to the time-based media;</u> ~~to automatically identify a~~
~~portion of the time-based media data to be printed to a tangible medium,~~
~~the identified portion based on identification criteria received from a user;~~

~~a user interface, communicatively coupled to the processor, including:~~

a <u>user interface</u> display <u>on the multifunction printer that displays a function</u>
<u>selection menu comprising a plurality of user-selectable audio range</u>
<u>selection functions and a plurality of user-selectable video range selection</u>
<u>functions to be applied to the time-based media by the processor;</u> ~~, for~~
~~providing data to the user including a timeline of the time-based media~~
~~indicating a location of the identified portion along the timeline, the~~
~~timeline updated responsive to the user changing the identification criteria;~~

an input device[[,]] for receiving <u>from the user</u> a selection of the multimedia
function from [[a]] <u>the</u> plurality of <u>user-selectable video range selection</u>
<u>functions and the plurality of user-selectable audio range selection</u>

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functions displayed on the function selection menu; ~~selectable multimedia functions and for receiving the identification criteria from the user;~~

a first output device for receiving the ~~identified portion of the time-based media data~~ printable representation from the processor and ~~for~~ automatically printing the ~~identified portion~~ printable representation to a tangible medium; and

a second output device coupled to the processor for receiving the ~~identified portion of the time-based media~~ printable representation from the processor ~~and producing~~ for outputting an electronic output including the ~~identified portion of the time-based media.~~ printable representation.

2. (Currently Amended) The printer of claim 1 wherein the multimedia function includes selecting a range of audio data in response ~~to received input from the user~~ the user selecting one of the audio range selection functions from the function selection menu.

3. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying audio event detection to the time-based media data.

4. (Previously presented) The printer of claim 3 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.

5. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.

6. (Previously presented) The printer of claim 1 or 5 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.

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7. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a sound source localization function to the time-based media data.

8. (Original) The printer of claim 7 wherein the multimedia function further includes applying audio event detection to the time-based media data.

9. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a speech recognition function to the time-based media data.

10. (Previously presented) The printer of claim 9 wherein the multimedia function includes applying a profile analysis function to the time-based media data.

11. (Previously presented) The printer of claim 9 wherein the multimedia function includes applying an audio event detection function to the time-based media data.

12. (Previously presented) The printer of claim 11 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.

13. (Previously presented) The printer of claim 11 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.

14. (Previously presented) The printer of claim 11 wherein the multimedia function further includes applying a sound localization function to the time-based media data.

15. (Currently Amended) The printer of claim 1 wherein the multimedia function includes selecting a range of video data in response to ~~received input from the~~

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~~user~~ <u>the user selecting one of the audio range selection functions from the function selection menu.</u>

16. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a video event detection function to the time-based media data.

17. (Original) The printer of claim 1 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.

18. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a face detection function to the time-based media data.

19. (Previously presented) The printer of claim 18 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances of a face into a representative face image.

20. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a face recognition function to the time-based media data.

21. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.

22. (Previously presented) The printer of claim 21 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.

23. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a motion analysis function to the time-based media data.

24. (Previously presented) The printer of claim 1 or claim 23 wherein the multimedia function includes applying a distance estimation function to the time-based media data.

25. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.

26. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.

27. (Previously presented) The printer of claim 26 wherein the multimedia function further includes applying a face recognition function to the time-based media data.

28. (Previously presented) The printer of claim 26 wherein the multimedia function further includes applying a face detection function to the time-based media data.

29. (Previously presented) The printer of claim 26 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.

30. (Previously presented) The printer of claim 29 wherein the multimedia function further includes applying a face recognition function to the time-based media data.

31. (Previously presented) The printer of claim 29 wherein the multimedia function includes applying a face detection function to the time-based media data.

32. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.

33. (Previously presented) The printer of claim 32 wherein the multimedia function further includes applying a motion analysis function to the time-based media data.

34. (Previously presented) The printer of claim 1 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.

35. (Previously presented) The system of claim 1 wherein the multimedia function includes applying a visual inspection function to the time-based media data.

36. (Currently Amended) The printer of claim 1 wherein the user interface <u>display</u> is configured to allow a user to control a compact disc (CD) device.

37. (Currently Amended) The printer of claim 1 wherein the user interface <u>display</u> is configured to allow a user to control a digital video disc (DVD) device.

38. (Currently Amended) The printer of claim 1 wherein the user interface <u>display</u> is configured to allow a user to control an audio tape device.

39. (Currently Amendedl) The printer of claim 1 wherein the user interface <u>display</u> is configured to allow a user to control a video tape device.

40. (Currently Amended) The printer of claim 1 wherein the user interface <u>display</u> is configured to allow a user to control a multimedia server.

41. (Currently Amended) The printer of claim 1 wherein the user interface <u>display</u> is configured to allow a user to control encryption hardware.

42. (Currently Amended) The printer of claim 1 wherein the user interface _display_ is configured to allow a user to control audio sound localization hardware.

43. (Currently Amended) The printer of claim 1 wherein the user interface _display_ is configured to allow a user to control motion detection hardware.

44. (Currently Amended) The printer of claim 1 wherein the user interface _display_ is configured to allow a user to control a MIDI player.

45. (Currently Amended) The printer of claim 1 wherein the user interface _display_ is configured to allow a user to control a cellular telephone.

46. (Currently Amended) The printer of claim 1 wherein the user interface _display_ is configured to allow a user to control a two-way radio.

47. (Currently Amended) The printer of claim 1 wherein the user interface _display_ is configured to allow a user to control a world wide web display.

48. (Currently Amended) The printer of claim 1 wherein the user interface _display_ is configured to allow a user to control a climate sensor.

49. (Currently Amended) The printer of claim 1 wherein the user interface _display_ is configured to allow a user to control a radio receiver.

50. (Canceled)

51. (Previously presented) The printer of claim 1 wherein the second output device is a DVD drive.

52. (Previously presented) The printer of claim 1 wherein the second output device is a CD drive.

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53. (Previously presented) The printer of claim 1 wherein the second output device is an audio tape drive.

54. (Previously presented l) The printer of claim 1 wherein the second output device is a video cassette device.

55. (Previously presented) The printer of claim 1 wherein the second output device is a removable media device.

56. (Previously presented) The printer of claim 1 wherein the second output device is an embedded audio recorder.

57. (Previously presented) The printer of claim 1 wherein the second output device is an embedded video recorder.

58. (Previously presented) The printer of claim 1 wherein the second output device is a non-volatile storage device.

59. (Previously presented) The printer of claim 1 wherein the second output device is an embedded multimedia server.

60. (Previously presented) The printer of claim 1 wherein the second output device is audio encryption hardware.

61. (Previously presented) The printer of claim 1 wherein the second output device is video encryption hardware.

62. (Previously presented) The printer of claim 1 wherein the second output device is audio sound localization hardware.

63. (Previously presented) The printer of claim 1 wherein the second output device is a cellular telephone.

64. (Previously presented) The printer of claim 1 wherein the second output device is a two-way radio.

65. (Previously presented) The printer of claim 1 wherein the second output device is a world-wide web display.

66. (Previously presented) The printer of claim 1 wherein the second output device is a radio receiver for receiving AM signals.

67. (Previously presented) The printer of claim 1 wherein the second output device is a radio receiver for receiving FM signals.

68. (Previously presented) The printer of claim 1 wherein the second output device is a radio receiver for receiving short wave signals.

69. (Previously presented) The printer of claim 1 wherein the second output device is a satellite radio receiver.

70. (Previously presented) The printer of claim 1 wherein the second output device is a weather alert receiver.

71. (Previously presented) The printer of claim 1 wherein the second output device is an emergency alert monitor for receiving emergency broadcast system alerts.

72. (Previously presented) The printer of claim 1 wherein the second output device is hardware for performing VGA screen captures.

73. (Previously presented) The printer of claim 1 wherein the second output device is hardware for performing audio capture.

74. (Previously presented) The printer of claim 1 wherein the second output device is hardware for capturing data from an electronic pen.

75. (Previously presented) The printer of claim 1 wherein the second output device is a disposable media writer.

76. (Previously presented) The printer of claim 1 wherein the second output device is a flash memory device.

77. (Previously presented) The printer of claim 1 wherein the second output device is a wireless device.

78. (Currently Amended) A method for printing time-based media, the method comprising:

receiving time-based media data from a media source;

displaying, on a user interface display of a multifunction printer, a function selection menu comprising a plurality of user-selectable audio range selection functions and a plurality of user-selectable video range selection functions to be applied to the time-based media;

receiving a user selection of a multimedia function from [[a]] the plurality of user-selectable audio range selection functions and the plurality of user-selectable video range selection functions displayed on the function selection menu; selectable multimedia functions, the multimedia function to be applied automatically to time-based media data;

performing, by [[a]] the multifunction printer, the user selected multimedia function on the time-based media data; to automatically identify a portion of the time-based media data to be printed to a tangible medium based on identification criteria received from a user;

generating, by the multifunction printer, a printable representation comprising results of the user-selected multimedia function applied to the time-based media;

~~displaying a representation of the time-based media including a timeline of the time-based media indicating a location of the identified portion along the timeline, the representation updating responsive to the user changing the identification criteria;~~

printing the ~~identified portion of the time-based media data~~ printable representation to a tangible medium; and

~~producing~~ outputting an electronic output of the ~~identified portion~~ printable representation. ~~of the time-based media data.~~

79. (Currently Amended) The method of claim 78 wherein the multimedia function includes selecting a range of audio data in response to ~~received input from the user.~~ the user selecting one of the audio range selection functions from the function selection menu.

80. (Previously presented) The method of claim 78 wherein the multimedia function includes applying audio event detection to the time-based media data.

81. (Previously presented) The method of claim 80 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.

82. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.

83. (Previously presented) The method of claim 78 or 82 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.

84. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a sound source localization function to the time-based media data.

85. (Previously presented) The method of claim 84 wherein the multimedia function further includes applying audio event detection to the time-based media data.

86. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a speech recognition function to the time-based media data.

87. (Previously presented) The method of claim 86 wherein the multimedia function includes applying a profile analysis function to the time-based media data.

88. (Previously presented) The method of claim 86 wherein the multimedia function includes applying an audio event detection function to the time-based media data.

89. (Previously presented) The method of claim 88 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.

90. (Previously presented) The method of claim 88 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.

91. (Previously presented) The method of claim 88 wherein the multimedia function further includes applying a sound localization function to the time-based media data.

92. (Currently Amended) The method of claim 78 wherein the multimedia function includes selecting a range of video data in response to ~~received input from the user.~~ the user selecting one of the audio range selection functions from the function selection menu.

93. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a video event detection function to the time-based media data.

94. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.

95. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a face detection function to the time-based media data.

96. (Previously presented) The method of claim 95 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances of a face into a representative face image.

97. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a face recognition function to the time-based media data.

98. (Previously presented) The method of claim 78 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.

99. (Previously presented) The method of claim 98 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.

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100. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a motion analysis function to the time-based media data.

101. (Previously presented) The method of claim 78 or claim 100 wherein the multimedia function includes applying a distance estimation function to the time-based media data.

102. (Previously presented) The method of claim 78 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.

103. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.

104. (Previously presented) The method of claim 103 wherein the multimedia function further includes applying a face recognition function to the time-based media data.

105. (Previously presented) The method of claim 103 wherein the multimedia function further includes applying a face detection function to the time-based media data.

106. (Previously presented) The method of claim 103 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.

107. (Previously presented) The method of claim 106 wherein the multimedia function further includes applying a face recognition function to the time-based media data.

108. (Previously presented) The method of claim 106 wherein the multimedia function includes applying a face detection function to the time-based media data.

109. (Previously presented) The method of claim 78 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.

110. (Previously presented) The method of claim 109 wherein the multimedia function further includes applying a motion analysis function to the time-based media data.

111. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.

112. (Previously presented) The method of claim 78 wherein the multimedia function includes applying a visual inspection function to the time-based media data.

113. (New) The multifunction printer of claim 1, wherein the user interface display on the multifunction printer further displays an input source selection menu comprising a plurality of user-selectable input sources, wherein the input device further receives a selection of an input source from the plurality of user-selectable input sources, and wherein the communication interface receives the time-based media data from the input source selected by the user.

114. (New) The multifunction printer of claim 1, wherein the user interface display on the multifunction printer further displays an output source selection menu comprising a plurality of user-selectable electronic output sources, wherein the input device further receives a selection of an electronic output source from the plurality of user-selectable output sources, and wherein the second output device outputs the electronic output to the electronic output source selected by the user.

115. (New) The multifunction printer of claim 1, wherein the user interface display outputs the function selection menu responsive to the user selecting the input source using the input source selection menu.

116. (New) The multifunction printer of claim 1, wherein the user interface display outputs the output source selection menu responsive to the user selecting the multimedia function using the function selection menu.

117. (New) The multifunction printer of claim 1, wherein the user interface display on the multifunction printer further displays a sub-menu for displaying options to the user specific to the user-selected multimedia function, wherein the sub-menu is displayed responsive to the user selecting one of the video range selection functions and the audio range selection functions from the function selection menu.

118. (New) The multifunction printer of claim 1, wherein the user interface display on the multifunction printer further displays a preview menu for displaying a preview of the printable representation to the user responsive to the user selecting the multimedia function using the function selection menu.

119. (New) The multifunction printer of claim 118, wherein the preview includes a timeline of the multimedia data indicating results of applying the multimedia function to the time-based media data along the timeline.

120. (New) The multifunction printer of claim 119, wherein the preview includes user-selectable options for refining parameters of the multimedia function, the user interface display updating the timeline responsive to the user changing the parameters.

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121. (New) The multifunction printer of claim 1, wherein the plurality of user-selectable audio range selection functions on the function selection menu displayed by the user interface display on the multifunction printer comprises at least one of an event detection function, a speaker segmentation function, a speaker recognition function, a sound source location function, a speech recognition function, and a profile analysis function.

122. (New) The multifunction printer of claim 1, wherein the plurality of user-selectable video range selection functions on the function selection menu displayed by the user interface display on the multifunction printer comprises at least one of an event detection function, a color histogram analysis, a face detection function, a face recognition function, an optical character recognition function, a motion analysis function, a distance estimation function, a foreground/background segmentation function.

123. (New) The multifunction printer of claim 1, wherein the user interface display further displays a user-selectable print function for printing the printable representation, and wherein the first output device prints the printable representation responsive to the input device receiving a selection of the print function from the user.